## MONEY MATH: LESSONS FOR LIFE A Correlation to the Virginia Standards of Learning in Mathematics and Computer/Technology

A group of Virginia mathematics educators met in June 2001 and reviewed **Money Math:** Lessons for Life. Our goal was two-fold:

- to determine whether a correlation existed between the document and the Virginia Mathematics Standards of Learning for grades 6, 7, 8, Algebra I, and Computer/Technology Standards for Grade 8; and
- if the correlation existed, to develop a resource for teachers that delineates this correlation.

The correlation with Virginia Standards of Learning is designed to help teachers reference the Standards of Learning addressed in each Money Math lesson and activity. The Process Standards referenced in Principles and Standards for School Mathematics (National Council of Teachers of Mathematics, 2000) as well as some Teaching Tips also are correlated to the lessons and activities.

The implementation of **Money Math** into an existing curriculum could be achieved in a variety of ways. Each lesson can stand alone or the four lessons can be used as a thematic unit. This booklet should prove to be an excellent resource to introduce young adults to personal financial strategies in order so that they may be successful adults in the future.

Contributors to this project include Capital One, the Jump\$tart Coalition for Personal Financial Literacy, and the Virginia Department of Education. The committee included Kathleen Faron, York County Public Schools; Tina Weiner, Roanoke City Public Schools; Denise Walston, Norfolk City Public Schools; Dorothy Roach, Roanoke City Public Schools; Deborah Kiger Lyman, Virginia Department of Education; and Wendy Geiger, Virginia Department of Education.

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Money Math: Lessons for Life Correlations to Commonwealth of Virginia Standards of Learning generously underwritten by Capital One.

MONEY MATH Lesson 1 The Secret to Becoming a Millionaire

AA ATLICAA ATTCC	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup> Algebra Comp/			5 6 1 1
MATHEMATICS		•		Algebra	Comp/	Process Standards
STANDARDS OF LEARNING	Grade	Grade	Grade	I	Tech	and Teaching Tips
Activity 1-1	6.1	7.23	8.4	A.1	8.4 (a)	Problem Solving
"It's Never Too	6.8		8.19			Mathematical
Late"						Communication &
						Reasoning
			_	Tip:	Example of o	direct variation – SOL A.19
Activity 1-2	6.1 6.4	7.21	8.4	A.1	8.16	Problem Solving
"Uncle Mort	6.8 6.13	7.23	8.18	A.6		Mathematical
Makes It	6.18		8.19			Communication,
Better"	6.21					Representations &
						Reasoning
Activity 1-3		7.5	8.4	A.1		Problem Solving
"The Miracle of		7.23				Mathematical
Compounding"						Communication &
						Reasoning
Activity 1-4	6.1	7.1			8.1 (b)	Problem Solving
"Confounding	6.8	7.21			8.4 (d)	Mathematical
Compounding"	6.18					Communication &
						Connections
			· -	Tip:	Example of o	direct variation – SOL A.19
Activity 1-5	6.8		8.4		8.1 (d)	Problem Solving
"Mary's Dilemma"					8.1 (e)	Mathematical
					8.4 (a)	Communication &
						Connections
	Tip: Example of direct variation – SOL A.19					

MONEY MATH Lesson 2 Wallpaper Woes

MATHEMATICS STANDARDS OF LEARNING	6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Algebra I	Comp/ Tech	Process Standards and Teaching Tips
Get Ready/p 26	6.10					Problem Solving
Get Going/p 27	6.7 6.19	7.19		A.18		
Graph It/p 28	6.10	7.7	8.1			
Keep Going	6.6 6.8	7.8	8.4	A.2		Problem Solving
p 28	6.10 6.11	7.23	8.19			Mathematical
						Representation,
						Communication &
						Connections

Graph It	6.1 6.8				8.1b	
p 33	6.13 6.18					
					Tip: F	lecommend Computer Use
Wrap It Up		7.8				
p 33						
Check It	6.6 6.8	7.7	8.1	A.2		Problem Solving
Assessment	6.10 6.11	7.8	8.4			Mathematical
p 34 #1						Representation,
Activity 2-1	6.8					Communication &
"Assessment"						Connections
Going Beyond -			8,4			Mathematical
Challenge			8.9			Connections
Activities						

## MONEY MATH Lesson 3 Math & Taxes: A Pair to Count On

MATHEMATICS STANDARDS OF LEARNING	6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Algebra I	Comp/ Tech	Process Standards and Teaching Tips
Activity 3-1	6.4 6.7	7.1 7.5	8.4	A.2		Problem Solving
"Math is	6.8 6.9	7.9 7.19		A.18		Mathematical
Everywhere"	6.10 6.11	7.23				Communication &
·	6.19					Connections
Activity 3-2	6.4 6.7	7.1 7.5	8.4	A.2		Mathematical
"When I Grow	6.8 6.9	7.9 7.19		A.18		Representation
Up"	6.10 6.11	7.23				
	6.19					
			Tip: Mathe			is ever present in our lives asoning students are using
Activity 3-3	6.4 6.7	7.1 7.5	8.4	A.2		Problem Solving
"What's My	6.8 6.9	7.9 7.19		A.18		Mathematical
Line"	6.10 6.11	7.23				Representation,
	6.19					Communication &
						Connections
Activity 3-4	6.8	7.5	8.1	A.2		Mathematical
"Who Pays?	6.18		8.4 (a)	A.18		Communication &
How Much?"			8.4 (d)			Reasoning
	Tip: Students use the Internet to make career choices and determine average income, tax rate, amount of taxes required as individual or married, filing jointly					

Activity 3-5	6.4	8.4			
"Another Tax					
Calculation"			Tip: I	Finding % of	a number reinforces 6.18
Activity 3-6	6.7	8.4			Mathematical
"Assessment - A	6.8				Reasoning &
Taxing					Communication
Situation"					

MONEY MATH Lesson 4 Spreading the Budget

MATHEMATICS	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	Algebra	Comp/	Process Standards
STANDARDS OF LEARNING	Grade	Grade	Grade	I	Tech	and Teaching Tips
Activity 4-1		7.24			8.1 (b)	Mathematical
"Budget						Connections &
Beginning"						Communication
			T	Tip: Can be	extended to	matrices - SOL 8.14 & A.4
Activity 4-2		7.23	8.4	A.2	8.1 (b)	Mathematical
"Budget						Communication
Revisions"						
Activity 4-3					8.1 (b)	Mathematical
"More Budget						Communication
Revisions"						
Activity 4-4		7.21	8.4		8.1 (b)	Mathematical
"More and More						Communication
Budget						
Revisions"						
Activity 4-5	6.7		8.4		8.1 (b)	Problem Solving
"Help!"						Mathematical
'						Communication &
						Reasoning
Activity 4-6		7.21	8.4		8.1 (b)	Problem Solving
"Let's Work						Mathematical
This Problem						Communication,
and Solve It!"						Connections &
						Reasoning